App No.: Not Yet Assigned Inventor: Ryland F. Young, et al.

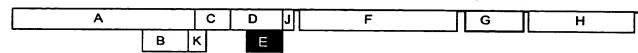
Docket No.: HO-P01886US2

Title: ANTIBIOTICS BASED UPON BACTERIOPHAGE LYSIS

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(\$\psi X174 microviridae)



E = 91 aa membrane protein

Qβ gplll ssRNA

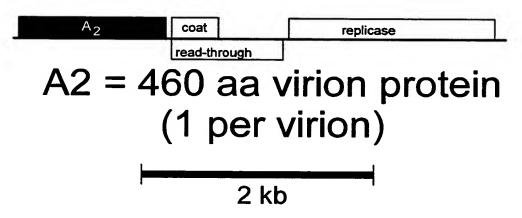
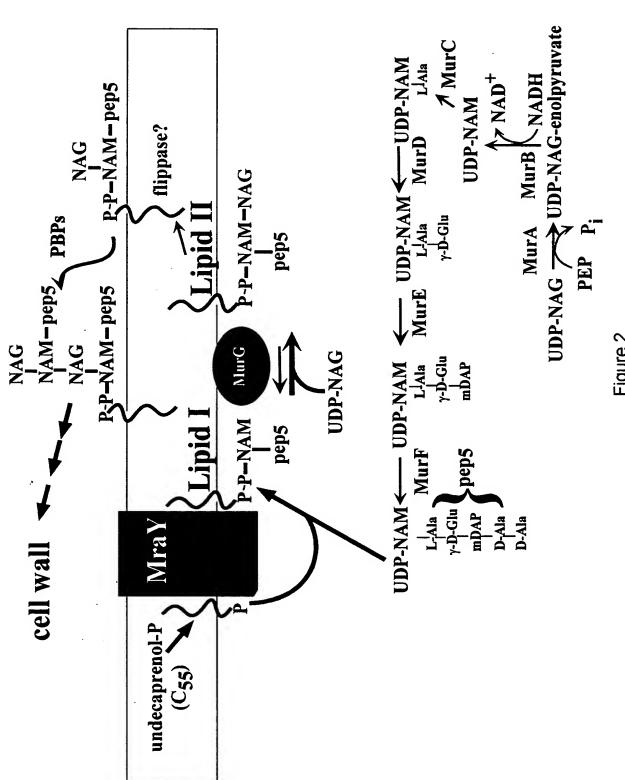


Figure 1

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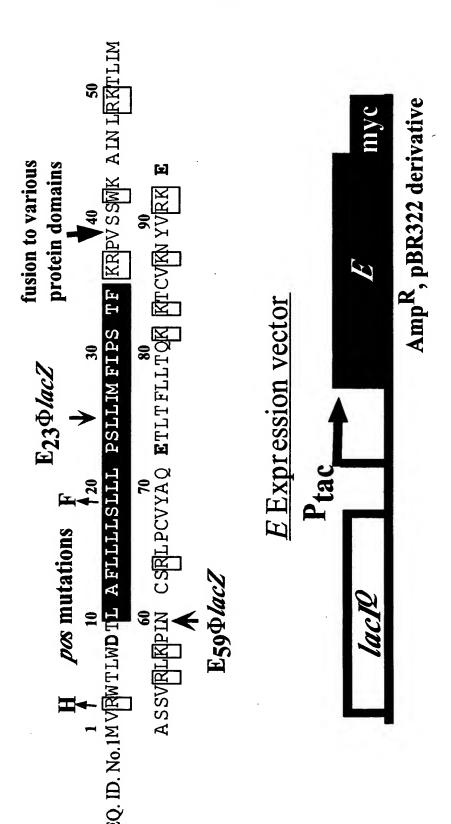


Figure 3

App No.: Not Yet Assigned Inventor: Ryland F. Young, et al.

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PROTEINS

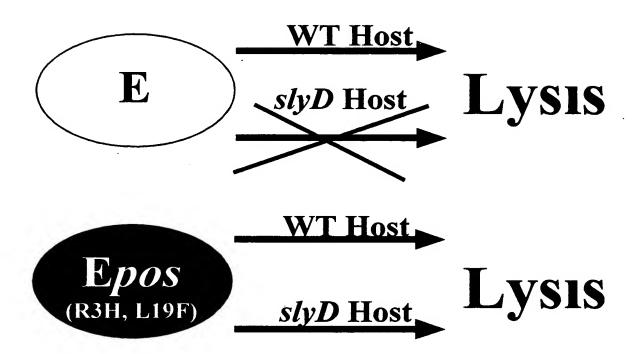
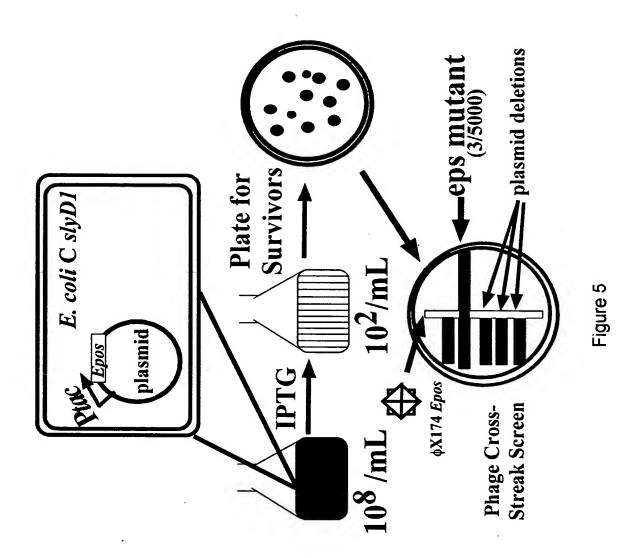


Figure 4

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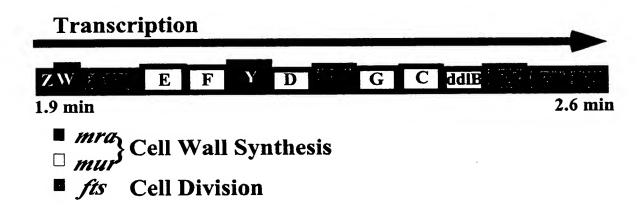
Docket No.: HO-P01886US2

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The eps phenotype is tightly linked to the 2 minute region (aka the *mra* locus) of the *E. coli* chromosome_



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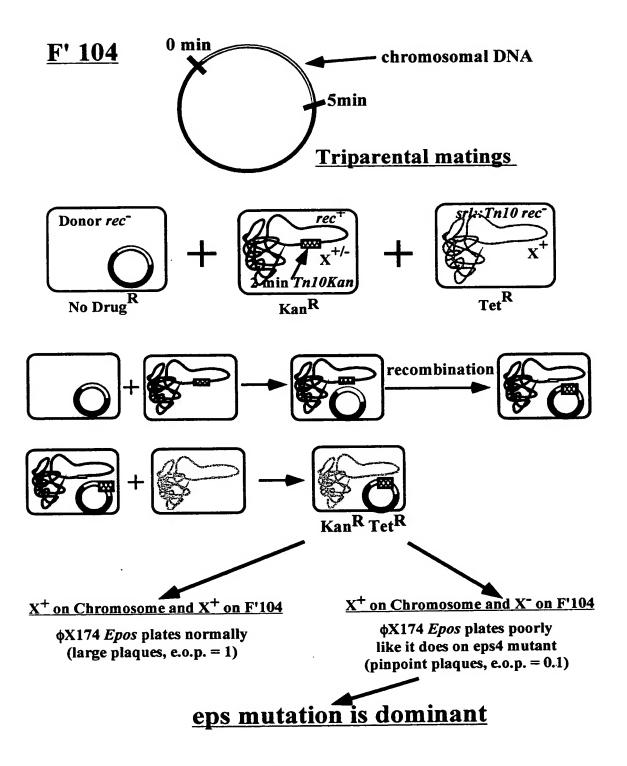


Figure 7

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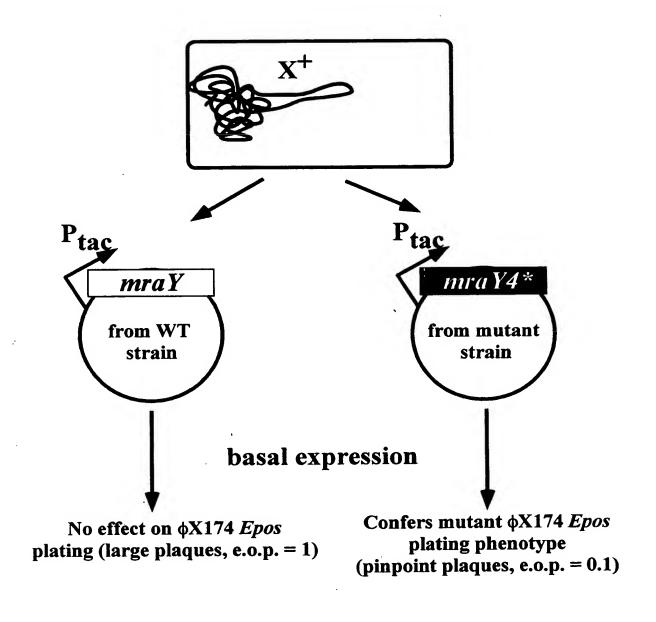


Figure 8

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MraY

360 a.a. Membrane Protein (multiple membrane spanning domains) Enzyme: UDP-N-Acetylmuramoyl-pentapeptide: Undecaprenyl-P

Phospho-N-Acetylmuramoyl-pentapeptide Transferase

Figure 9

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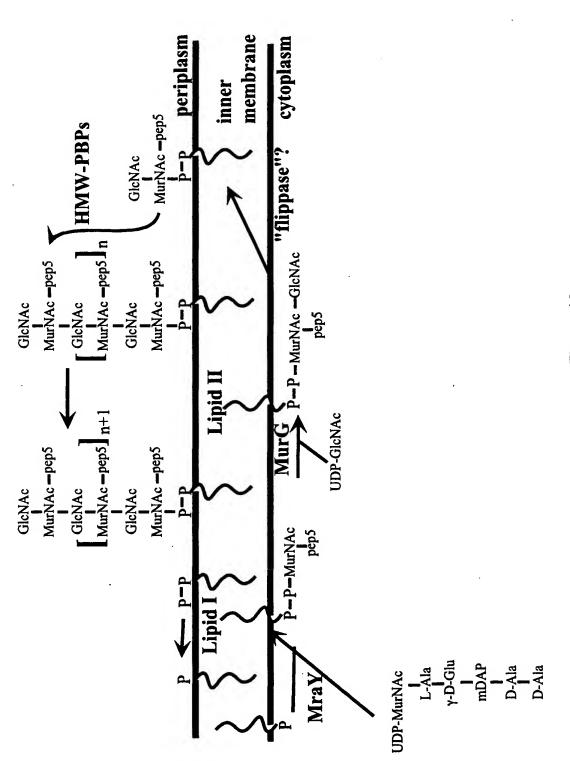


Figure 10

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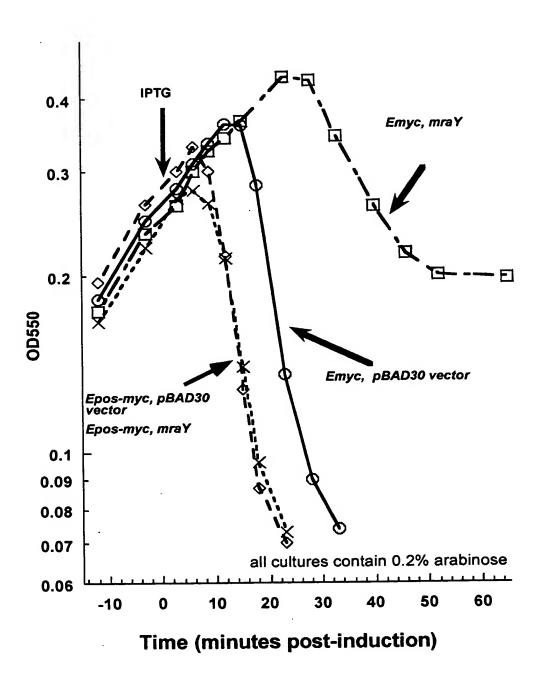


Figure 11

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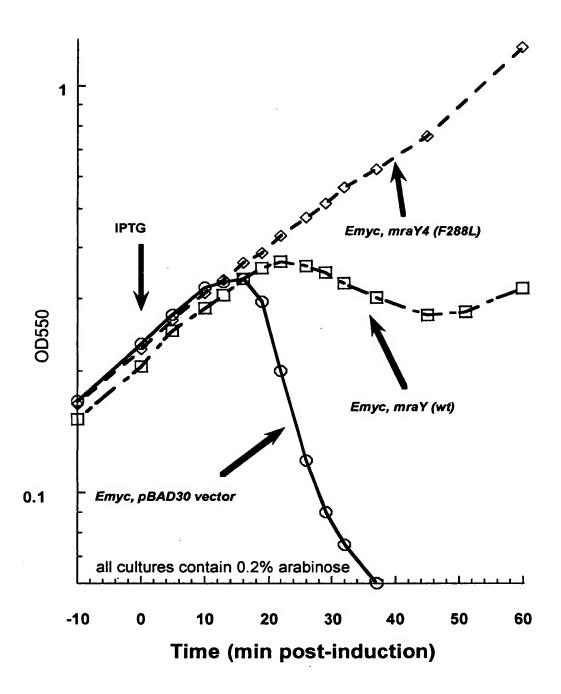


Figure 12

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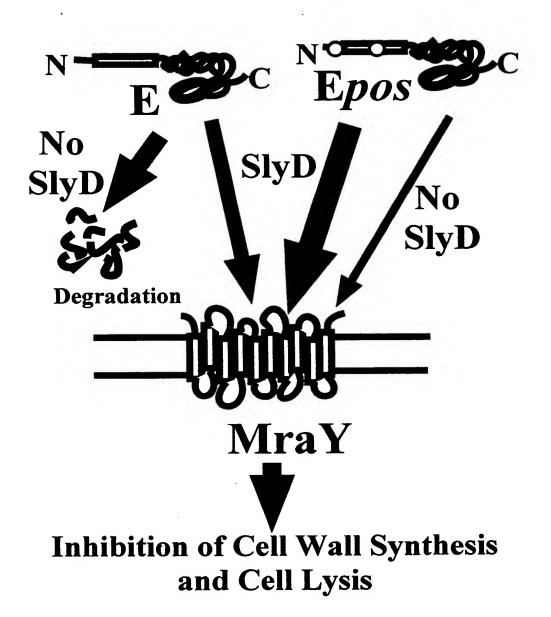


Figure 13

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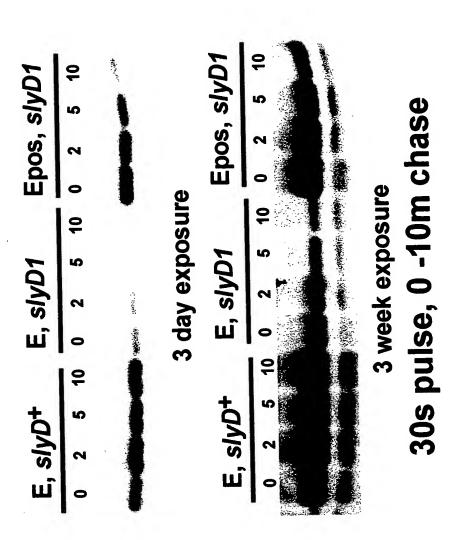
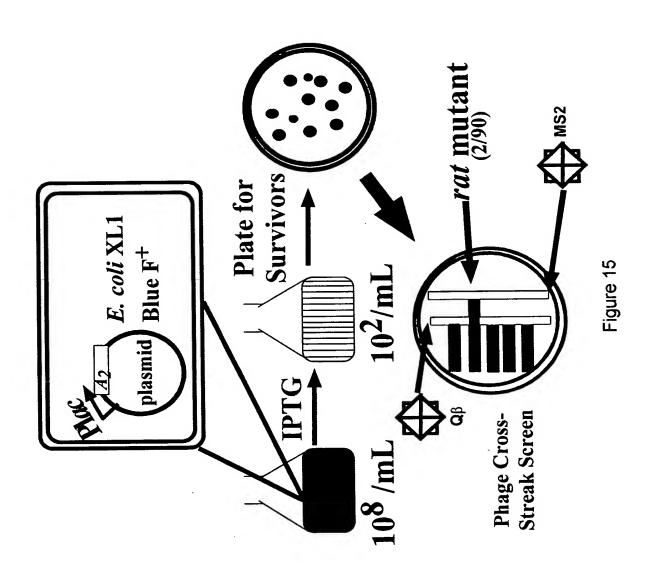


Figure 14

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aniervkge

riedklralg

riyhidrgye

ciaegttvvd

rasaslvlag

sgaqvmatdl

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1pggctigar caatlaegtt drietgtflv avnvrtaphp tvichgvekl aallaeepve iqnvpklkdv dtsmkllsql varfgqgqvs vsvgatvtim lgggvyrvlp sldmhgkrpk mgahaeiesn 1kgahi vmdk rasiwalgpl rfmhvpelsr driviegver adievgedwi gfitetvfen capydlvktm aknaalpilf gyvkasvdgr lgakisgqgt avlaklrdag tllnlvaegt crnaqpdtld elqgevtisg hidardvnvf qlgatikhee ivdtanflit iienaarepe mdkfrvggpt gakverngsv pvdlhisgle afptdmqaqf aaaisrgkii SEQ. ID.NO.2 1 121 181 241

Figure 16

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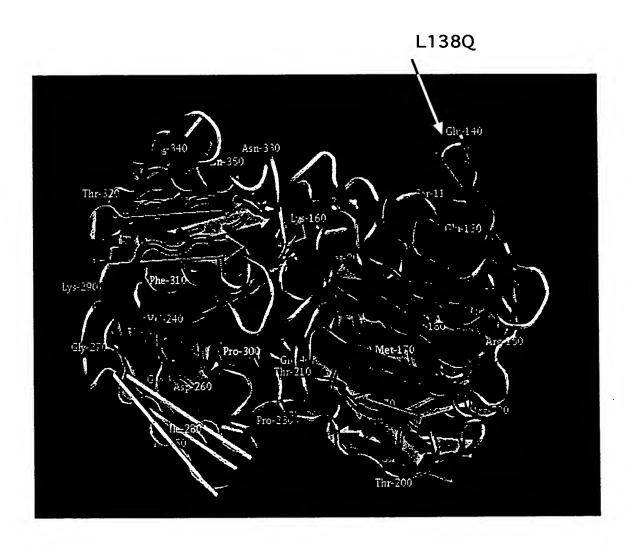
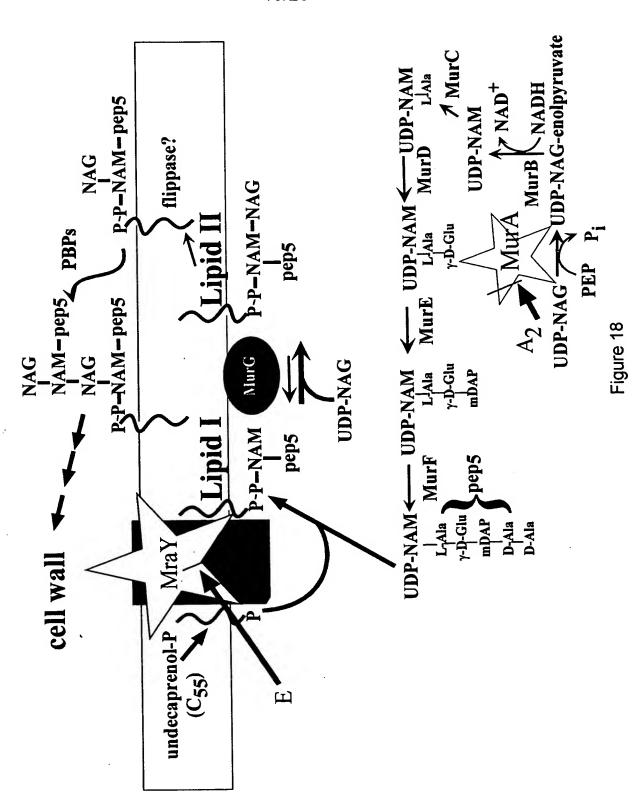


Figure 17

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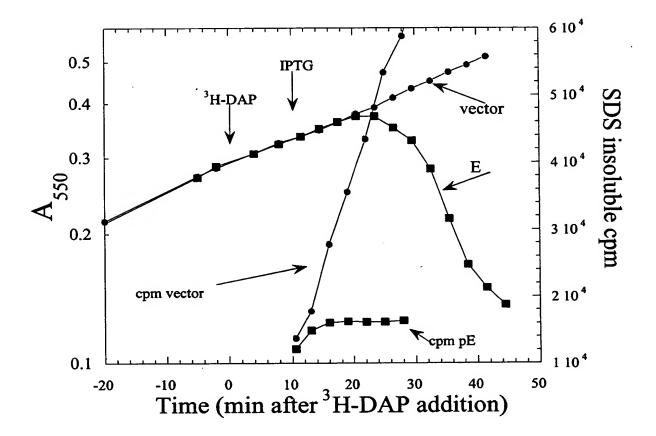


Figure 19

App No.: Not Yet Assigned Docket No.: HO-P01886US Inventor: Ryland F. Young, et al.
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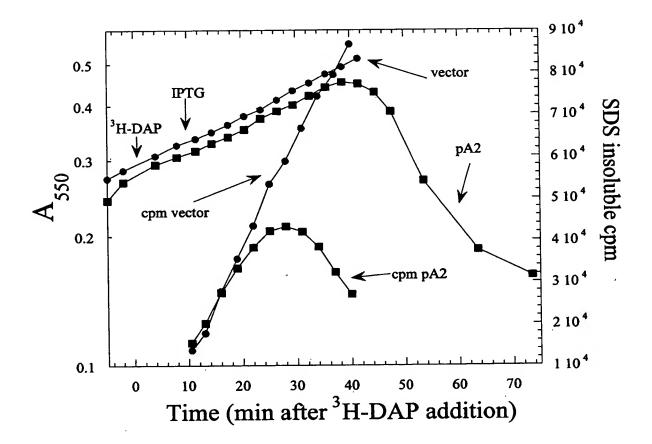


Figure 20

App No.: Not Yet Assigned Docket No.: HO-P01886US Inventor: Ryland F. Young, et al.
Title: ANTIBIOTICS BASED UPON BACTERIOPHAGE LYSIS

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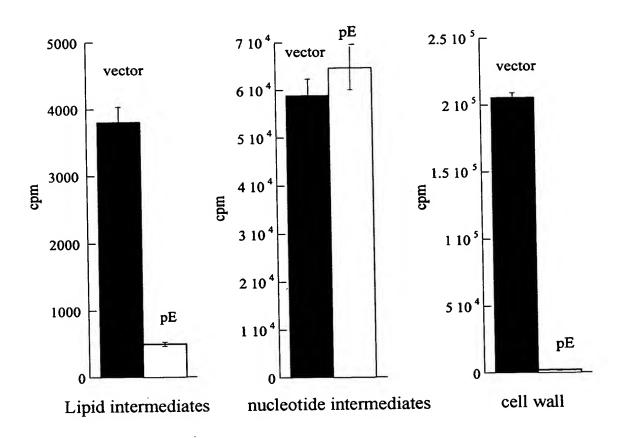


Figure 21

App No.: Not Yet Assigned Docket No.: HO-P01886US Inventor: Ryland F. Young, et al.
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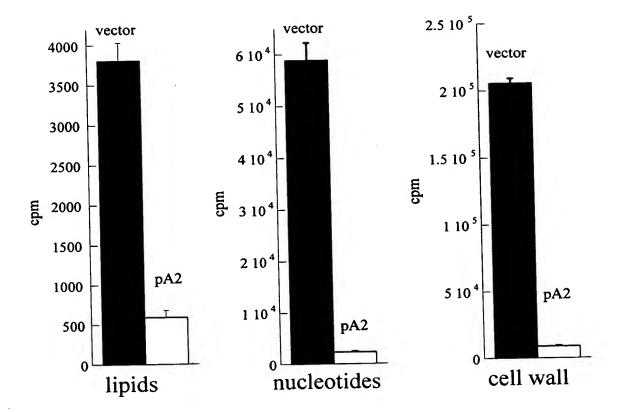


Figure 22

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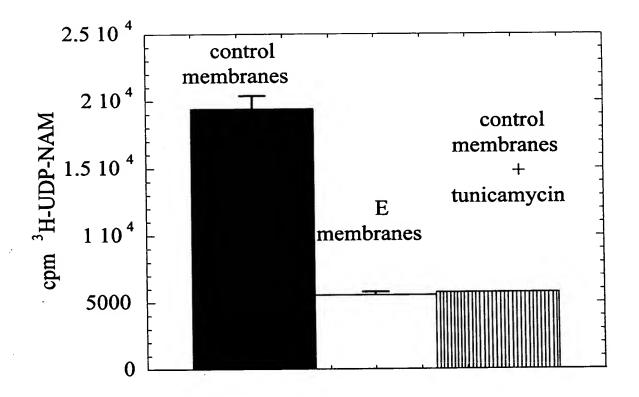


Figure 23